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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
09/841,809	04/24/2001	Thomas J. Meade	A-64789-3/RFT/RMS/RMK	7873
75	590 09/16/2004		EXAMI	NER
ROBIN M. SILVA, ESQ.			MONSHIPOURI, MARYAM	
FLEHR HOHBACH TEST ALBRITTON & HERBERT LLP Suite 3400		ART UNIT	PAPER NUMBER	
Four Embarcadero Center			1652	

DATE MAILED: 09/16/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	09/841,809	MEADE, THOMAS J.				
Office Action Summary	Examiner	Art Unit				
	Maryam Monshipouri	1652				
The MAILING DATE of this communication a	ppears on the cover sheet with the	e correspondence address				
A SHORTENED STATUTORY PERIOD FOR REP THE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 CFR of after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a recommunication of the period for reply is specified above, the maximum statutory period for reply within the set or extended period for reply will, by state Any reply received by the Office later than three months after the mail earned patent term adjustment. See 37 CFR 1.704(b).	1. 1.136(a). In no event, however, may a reply be eply within the statutory minimum of thirty (30) od will apply and will expire SIX (6) MONTHS froute, cause the application to become ABANDO	timely filed days will be considered timely, om the mailing date of this communication. NED (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on						
,—	nis action is non-final.					
3) Since this application is in condition for allow	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims						
4) Claim(s) 33-48 is/are pending in the applicate 4a) Of the above claim(s) is/are withden 5) Claim(s) is/are allowed. 6) Claim(s) 33-48 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and Application Papers 9) The specification is objected to by the Examination of the drawing(s) filed on is/are: a) and applicant may not request that any objection to the specificant may not request the spe	rawn from consideration. d/or election requirement. iner. ccepted or b) □ objected to by th					
Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the						
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents of the priority documents. 2. Certified copies of the priority documents. 3. Copies of the certified copies of the priority documents. * See the attached detailed Office action for a limit of the priority. * See the attached detailed Office action for a limit of the priority.	ents have been received. ents have been received in Application of the contents have been received in Application (PCT Rule 17.2(a)).	ation No eived in this National Stage				
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	4) Interview Summ Paper No(s)/Mai	-				
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/Paper No(s)/Mail Date 7/16/01, 6/28/04.	C) Thetian of Inform	al Patent Application (PTO-152)				

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Applicant's response to restriction requirement filed 6/24/2004 is acknowledged. Applicant elected Group I invention directed to claims 2-7 and 29-48 without traverse. Claims 1-32 are canceled.

DETAILED ACTION

Claims 33-45 are under examination on the merits.

Claim Rejections - 35 USC § 112

The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

Claims 33-48 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. Current application is a continuation of U.S. Patent No. 6,013,459 filed 6/12/1997. The examiner searched for explicit support for the phrase "compositions comprising an array of electrodes, each electrode comprising a covalently attached binding lined ... etc." as recited in claim 33 and its dependent claims 34-48 and could not find any. The only reference to word "array" was found in column 16 of said U.S. patent and it is directed to an "array of analytes" rather than electrodes. Hence, claimed subject matter is considered to be **new matter**. Applicant is advised to either refer the examiner to a specific location in the specification where claimed subject

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mater finds explicit support or kindly amend the claims such that they are supported by the disclosure.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 33-48 are rejected under 35 U.S.C. 102(e) as being anticipated by Duong et al. (U.S. Patent No. 6,740,518 issued 5/25/2004). The applied reference has a common assignee with the instant application. Based upon the earlier effective U.S. filing date of the reference, it constitutes prior art under 35 U.S.C. 102(e). This rejection under 35 U.S.C. 102(e) might be overcome either by a showing under 37 CFR 1.132 that any invention disclosed but not claimed in the reference was derived from the inventor of this application and is thus not the invention "by another," or by an appropriate showing under 37 CFR 1.131. As explained above the examiner could not find support for the claimed subject matter in parent applications. Therefore the earliest priority date that the current invention can benefit from is its actual filing date, which is 4/24/2001. In view of said date Duong teaches a composition comprising an array of electrodes at least one of which comprises a capture binding ligand covalently attached to an electrode, a target analyte and an electron transfer moiety, which under specific

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embodiments, can be solvent accessible transition metal complex (see column 2 and column 37), wherein transition metals in said complexes inherently have at least one or two coordination sites, occupied by water molecules, anticipating claim 33-34. In columns 4 and 77 Duong teaches about electrodes comprising a self-assembled monolayer and attaching said transition metal complexes through spacers, anticipating claims 36-37, 44. In columns 77, 68 and 72 Duong teaches about spacers being made of conductive oligomers and formation of redox active complex between the solvent accessible transition metal complex and binding ligands, anticipating claims 38-40. In claims 2-3 Duong claims methods of detecting both proteins and nucleic acids as analytes using its array of electrodes, anticipating claims 41-43. In columns 14 and 18, Duong teaches about conductive oligomers having the formulae recited in claims 46-48, anticipating said claims. In column 4, Duong teaches about using gold for constructing its electrodes, anticipating claim 48.

No claims are allowed.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Maryam Monshipouri whose telephone number is (571) 272-0932. The examiner can normally be reached on 7:00 a.m to 4:30 p.m. except for alternate Mondays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ponnanthapu Achutamurthy can be reached on (571) 272-0928. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Business Center (EBC) at 866-217-9197 (toll-free).

* Korshy

Maryam Monshipouri Ph.D.

Primary Examiner
